

Product datasheet for **TA384884**

Nogo B receptor (NUS1) Rabbit Monoclonal Antibody [Clone ID: R01-3K8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R01-3K8
Applications:	WB
Recommended Dilution:	WB: 1/1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human Nogo B receptor
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 33 kDa; Observed MW: 33 kDa
Gene Name:	NUS1 dehydrololichyl diphosphate synthase subunit
Database Link:	Entrez Gene 116150 Human Q96E22



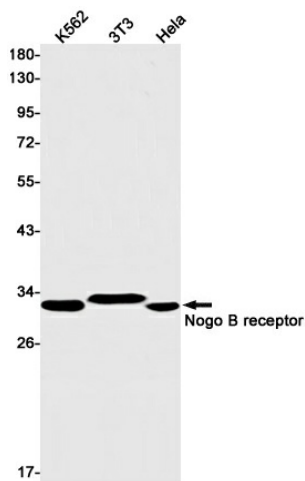
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Background:

Swiss-Prot Acc.Q96E22.With DHDDS, forms the dehydrololichyl diphosphate synthase (DDS) complex, an essential component of the dolichol monophosphate (Dol-P) biosynthetic machinery. Both subunits contribute to enzymatic activity, i.e. condensation of multiple copies of isopentenyl pyrophosphate (IPP) to farnesyl pyrophosphate (FPP) to produce dehydrololichyl diphosphate (Dedol-PP), a precursor of dolichol phosphate which is utilized as a sugar carrier in protein glycosylation in the endoplasmic reticulum (ER) (PubMed:21572394, PubMed:25066056, PubMed:28842490). Regulates the glycosylation and stability of nascent NPC2, thereby promoting trafficking of LDL-derived cholesterol. Acts as a specific receptor for the N-terminus of Nogo-B, a neural and cardiovascular regulator (PubMed:16835300).

Synonyms:

C6orf68; MGC7199; MGC117249; MGC:7199; NgBR

Product images:

Western blot analysis of Nogo B receptor in K562, 3T3, HeLa lysates using Nogo B Receptor antibody.